**Improvements and Differences between ePACT and ePACT2**

**Introduction**

The new data warehouse has been developed by importing data from the current transactional systems. The data warehouse has been designed based on a holistic logical approach while the legacy system has evolved over time and is therefore different in design.

ePACT2 has been built using the data warehouse. The data in ePACT2 can be extracted from January 14 onwards. The data is being recalculated resulting in differences to the current systems.

ePACT will run in parallel to the new system ePACT2 for a period of time.

ePACT2 offers various improvements and additional information such as:

1. More organisation breakdowns. For example AHSN, CCG/Trust Similar 10, Local Office and STP information.
2. Patient information such as patient count and age bands.
3. Dental information.
4. Practice and Prescriber level data. Where the practice type can be extracted.
5. Generic prescribing can be split by generic and generic with a supplier.
6. Drug information can go to pack level. The pack size and price of the pack.
7. Prescribed in England by an English prescriber/ hospital and dispensed in Wales. (Only prescriptions prescribed by an English hospital and dispensed in Wales are currently included in Hospital ePACT)
8. Prescribed outside England and dispensed in England.
9. Hospital data can be extracted in one list. (Hospitals are currently listed in Hospital ePACT and in National ePACT)

As stated above the data warehouse has been designed differently and the testing of the data between the two systems has identified a number of differences some of which have been identified below:

1. **Prescriber movement mid-month**

ePACT -

For Pharmacy Submissions ePACT uses where the prescriber was assigned on the 1st of the month.

Dispensing GPs/Prescribing GPs Personally Administered Accounts uses information from the submission ID to determine where the prescribing & costs should be attributed.

ePACT2 –

For Pharmacy Submissions & for Dispensing GPs/Prescribing GPs Personally Administered Accounts ePACT2 uses where the GP was assigned at the end of the month.

1. **Practice list size**

A practice list size is only complete when the financial quarter becomes available.

ePACT -

Populates a practice list size each month, but for the first two months of a financial quarter the list size is not complete therefore the previous quarters list size needed to be used for any reports.

When numerous time periods are selected the most up to date completed practice list size is used.

For example Apr and Sep uses Jul – Sep list size.

ePACT2 -

Populates the completed list size for each months data as it is uploaded.

For example Jan and Feb uses Oct-Dec, Mar uses Jan-Mar.

When numerous time periods are selected the average of the most up to date completed practice list size is used for each month.

For example Apr and Sep uses Apr – Sep list size / 6 (six months).

1. **Prescribers not linked to a practice for more than six months - Unidentified prescribers**

ePACT –

Where an electronic message has been received 6 months after the prescriber has left the practice, the prescriber is linked to the lead prescriber at the last practice the prescriber belonged to, regardless of how long ago the prescriber left that practice. For example this can be from a number of years ago.

ePACT2 –

The prescriber information is classified as ‘National Unidentified’ after a period of six months from when the prescriber left the practice or if the prescriber was registered outside of England at the point the prescription was processed by the NHS BSA.  The reason for this decision is due to the fact that prescriptions are only valid for a period of six months and EPS prescribing applies to England only.

1. **Attributes of presentations**

This will affect tags such as Drug Tariff Category A, C & M, Special Order products and Drug Tariff Special Order products.

ePACT –

Uses current attributes therefore when data is refreshed each month the tags and data updates.

ePACT2 –

Uses time relative attributes when a month is selected.

(It is possible to run reports in ePACT2 according to current attributes)

ePACT –

For tags such as Drug Tariff Category A, C & M prescribing is not split by generic and generic with a supplier.

ePACT2 –

Generic prescribing can be split by generic and generic with a supplier. For tags such as Drug Tariff Category A, C & M prescribing is for the generic Drug Tariff Part VIIIA presentations only, it does not include any generic prescribing where a supplier has been specified by the prescriber.

1. **National average discount percentage (NADP)**

ePACT –

National Average Discount Percentage (NADP) used to calculate actual cost shown in the NHS BSA prescribing and financial reports is calculated using the previous month’s dispensed prescriptions, for example the NADP for August 2017 is calculated using July 2017 dispensed prescriptions and applied to the actual cost calculated for August 2017

ePACT2 –

ePACT2 uses the same months dispensed prescriptions to calculate the NADP and apply that to the actual cost for that same month.